



278605

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
POLLUTION REPORT

I 3
10/11/95

DATE: OCTOBER 11, 1995

FROM: PETE GURIA, OSC, RESPONSE SECTION 2, CHICAGO, IL

TO:

J.RILEY-ATTN: E. WATKINS, USEPA, OSWER, WASH. D.C.....(E-MAIL)
R.KARL-ATTN: DON BRUCE, USEPA, OSF, EERB, CHICAGO, IL.....(E-MAIL)
B.MESSENGER-ATTN: USEPA, ESS, EERB, CHICAGO, IL.(E-MAIL)
M.McCUE-ATTN: USEPA OFFICE OF PUBLIC AFFAIRS, CHICAGO, IL.(E-MAIL)
T.KRUEGER-ATTN: A. HAAS, USEPA, ORC, CHICAGO, IL.....(E-MAIL)
DUTY OFFICER NATIONAL RESPONSE CENTER, WASH. D.C.....(US-MAIL)
L.ROBERTSON, CITY of CHICAGO, DEPT. of ENVIRONMENT.....(VIA-FAX)
M.RETZLAFF, ILLINOIS ENVIRONMENTAL PROTECTION AGENCY....(VIA-FAX)
CHICAGO FIRE DEPARTMENT.....(VIA-FAX)

SUBJECT: DAVID CHEMICAL SITE, REMOVAL ACTION, CHICAGO, IL

LATITUDE: 41°52'09.3" LONGITUDE: 87°44'30.4"

POLREP NO.: 15 FINAL POLREP

SITE ID NO.: XG DELIVERY ORDER NO. : 5001-05-356

RESPONSE AUTHORITY: CERCLA NPL STATUS: NON-NPL

START DATE: OCTOBER 18, 1994

COMPLETION DATE: OCTOBER 10, 1995

1. SITUATION:

- A. Removal activities at the David Chemical (DC) site are complete. Final shipment of contaminated soil sent for off-site disposal 10/04. Excavation backfilled to grade and sidewalk restoration completed 10/10.
- B. Site remained secure through this final phase of the removal. 24 hour armed guard patrol completed duties on 10/10. One incident occurred over the weekend of 10/7 when the battery for the track loader was stolen. This did not significantly delay completion of site activities.
- C. Weather: rain 10/05 and 10/06 prevented final placement and grade of backfill until 10/09.

2. ACTIONS TAKEN:

- A. On 10/4 shipment of all remaining site hazardous waste was completed. Approximately 2888 tons (123 truckloads and 3 roll-off boxes) of contaminated soil and contaminated building materials (concrete, concrete block, wood, and plastic) were shipped to Envirosafe Services of Ohio, for landfilling. Approximately 351 yd³ of non-hazardous demolition debris were shipped to a local landfill for disposal; of which, 16 boxes of non-hazardous scrap metal, approximately 41 tons, was sent for recycling. A complete waste disposal summary table for the entire removal action is attached below:

Waste Category	Quantity	Shipping Complete	Disposal Method	Facility/ Location
Phase 1				
Chrome Debris	228 cy	02/24/95	Treatment and Disposal	Chem Met/ Wyandotte, MI
Base Solids	52 cy	01/09/95	Disposal	EQ/Canton, OH
Crushed Drums	19 cy	02/10/95	Treatment and Disposal	Envirosafe/ Oregon, OH
Base/Neutral Liquid	15,925 gal	02/27/95	Treatment	Env. Services/ South Bend, IN
Acid Liquid	2,100 gal	01/12/95	Treatment and Disposal	Research Oil/ Cleveland, OH
Caustic Liquids	1,800 gal	01/16/95	Treatment and Disposal	Heritage/ Lemont, IL
Chromic Acid	4,376 gal	01/23/95	Recycling	Inmetco/ Elwood City, PA
Flammable Liquids	2,035 gal	01/18/95	Fuels Blending	Heritage/ Lemont, IL
Flammable Solids	1,760 gal	01/18/95	Fuels Blending	Heritage/ Lemont, IL
Aluminum Paste	3,250 gal	02/09/95	Fuels Blending	Perma Fix/ Dayton, OH
Acid Sludge	1,375 gal	02/28/95	Treatment and Disposal	Michigan Disposal
Base Sludge	1,925 gal	02/28/95	Treatment and Disposal	Michigan Disposal
Nickel Liquids	200 gal	01/12/95	Treatment and Disposal	U.S. Filter Roseville, MN
Cyanide Solids	55 gal	12/15/94	Treatment and Disposal	Clean Harbors/ Chicago, IL
Phenol	37 gal	02/23/95	Treatment and Disposal	Aptus
Phase 2				
Non-Haz Demo Debris	351 cy	10/06/95	Landfilling	Speelman/ Chicago, IL
Non-Haz Metal	41 tons	09/22/95	Recycling	United Scrap/ Bensenville, IL
Hazardous Debris/Soil	2888 tons	10/04/95	Landfilling	Envirosafe/ Oregon, OH

- B. Analytical results from the final confirmation sample received 10/4. All excavated areas were confirmed to be either within the chromium background range (2.4 to 42.7 ppm) or non-leachable (<1 ppm TCLP) before the areas were backfilled. Nine confirmation samples were collected from six areas at the site. Additional excavation, to a depth of 7.5', and sampling was required in the southeast quadrant to achieve removal of chromium contamination to within the background range.
- C. Backfill of excavated areas completed 10/09. A total of 3,048 yd³ of clean, thick clay was delivered to the site by Latronica and Sons between 09/29 and 10/05. The clay was compacted into the excavation with the Caterpillar 973 track loader to achieve approximately 80% compressive strength for soil. Final grade to provide for surface water run-off completed 10/10.
- D. On 10/10, approximately 160 linear feet of concrete sidewalk was replaced by a local concrete contractor per City of Chicago specifications.
- D. Began equipment decontamination and demobilization 9/27. Equipment and supplies deconned and demobed by 10/09. With all support utilities disconnected by 10/06, the command post was demobilized on 10/09, and the building utilized for the command post secured 10/10.
3. PLANS:
- A. City of Chicago, Dept. of Environment to coordinate post removal site control with City Streets and Sanitation. Local business owners have requested the site be fenced to prevent fly-dumping of trash and potential pollutants or contaminants.
- B. Civil investigator and ORC to continue investigation to identify additional PRPs for cost recovery.
4. KEY ISSUES:
- A. Site is located in an area of the City for potential redevelopment. Next door business owner expects to buy property for expansion without regard for expenditures U.S. EPA has incurred to mitigate the threats at the site. ORC to expedite perfecting a lien on the property to assist in recovering a portion of clean-up costs.
5. COSTS:
- A. Case open:
- B. Costs through 10/09/95:

	<u>Budgeted</u>	<u>Total to Date</u>	<u>Remaining</u>
ERCS	\$ 1,288,525 ¹	\$ 1,189,493.42	\$ 98,731.58
TAT	150,000	104,526.45	45,473.55
USEPA-DIR	44,550	30,264.53	14,285.47
USEPA-INDIR	82,350	59,371.90	22,978.10
TOTALS	\$ 1,565,425	\$ 1,383,656.30	\$ 181,768.70